



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090123-E

Mode: Highway

Status: Submitted

NC-55

From/Cross Street: Jicarilla Road

Specific Improvement Type: 1 - Widen Existing Roadway

To: Rawls Church Road

Project Category: Regional Impact

Length: 3.23

TIP#: R-2540

Fully Funded in Draft STIP? No

Cost to NCDOT: \$27,513,000

Description:

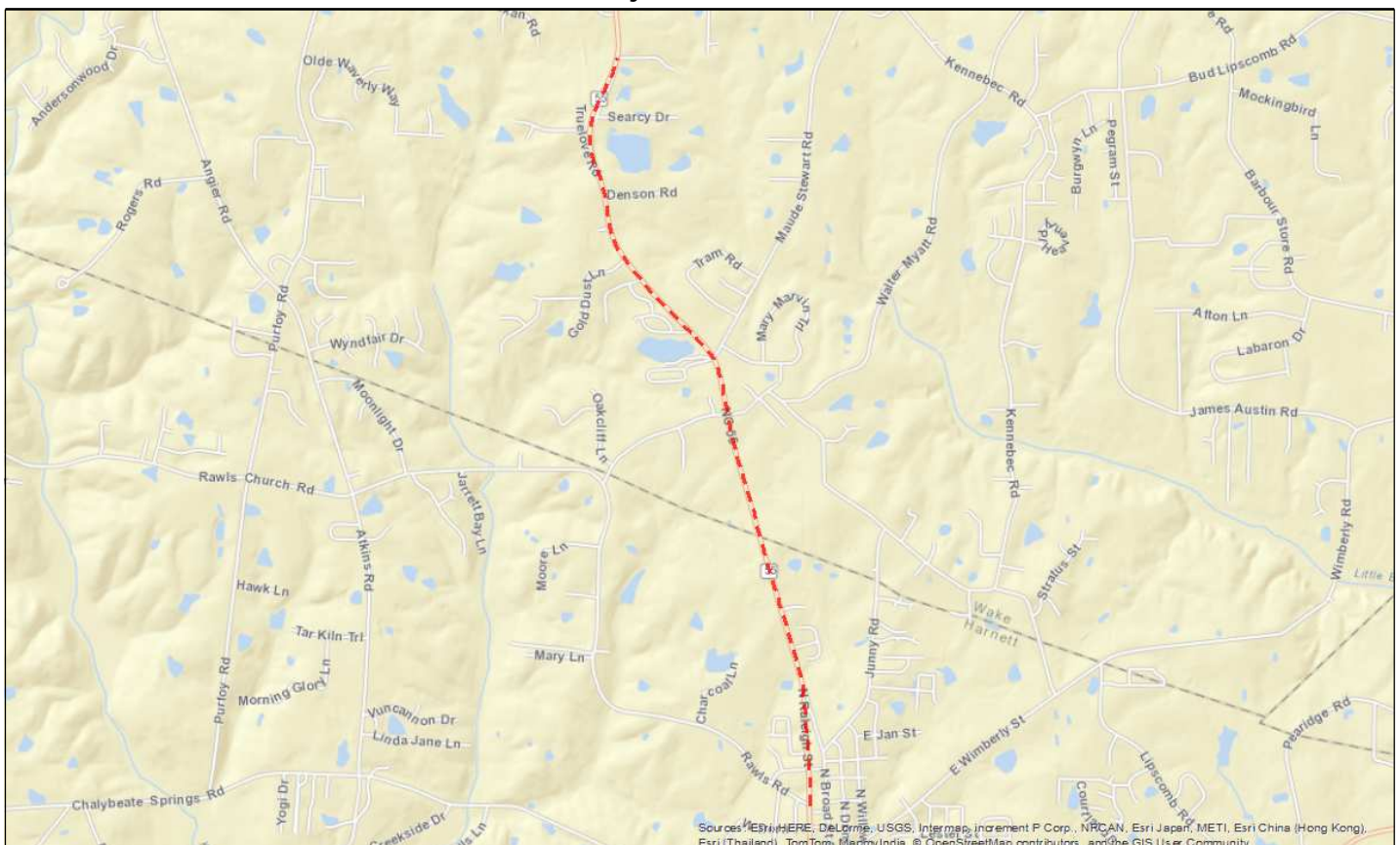
Widen to Multi-Lanes

Division(s): Division 5, Division 6

County(s): WAKE, HARNETT

MPOS(s)/RPO(s): Capital Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 61.21

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 62.27	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 81.30		
[Travel Time] Benefit/Cost (25%) 5.80		
Accessibility / Connectivity (10%) 60.62		
Totals: Weight: 70% Weighted Score: 31.21		

Division Needs Total Score: 21.74

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 62.27	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 81.30		
[Travel Time] Benefit/Cost (20%) 5.80		
Totals: Weight: 50% Weighted Score: 21.74		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	49
Length (miles):	3.23
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	14835.35
Capacity:	15800.14
Volume/Capacity Ratio:	0.94
% Autos:	95%
% Trucks:	5%
Truck Volume:	671.72
Crash Density:	99.81
Crash Severity:	71.37
Critical Crash Rate:	72.73
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	33
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	43
Travel Time Index:	1.14

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	3.23
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7114752.58
Travel Time Savings for 30 Years (Autos):	6792610.62
Travel Time Savings for 30 Years (Trucks):	322141.96
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	66%	66	0
Division 6	34%	34	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$23,081,000	Cost Estimation Tool
Right-of-Way Cost:	\$3,957,000	Cost Estimation Tool
Utilities Cost:	\$475,000	Cost Estimation Tool
Total Project Cost:	\$27,513,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$27,513,000	